

Work Order ID 65524

Wednesday, January 19, 2011 11:50:55 AM



Page 1

Item ID: D3564-9

Accept



Setup Start



Revision ID:

Item Name: Wearshoe

Stop



Start Date: 1/20/2011 Start Qty: 6.00



Cust Item ID:

Required Date: 2/3/2011 Req'd Qty: 6.00



Customer:

Reference:

Approvals: Process Plan: MF Date: 11-01-19

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D3564	Rev D

100	FLOW WATER JET	0.00							
	Waterjet								
FLOW CNC Waterjet	Memo	0.00							
304, 063	1-Cut as per Dwg D3564 ***** (D3564-1F) ***** □ Dwg Rev: <u>D</u> □ Prog								
	Rev: <u>D</u> □ 2-Deburr if necessary								

B11-2-22

(13)

110	QC2- Inspect parts off machine FAI/FAIB	0.00							
	QC								
Quality Control	Memo	0.00							

B11-2-22

120	QC8- Inspect parts - second check	0.00							
	QC								
Quality Control	Memo	0.00							

S.10222

(13)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Page 2

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Revision ID:

Stop

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Start Date: 1/20/2011 Start Qty: 6.00

Cust Item ID:

Required Date: 2/3/2011 Req'd Qty: 6.00

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

130



Brake NC

NC BRAKE

0.00

Memo

0.00

Deburr if necessary ☐ Form on Brake as per Dwg D3564 using Jigs DT 8129 and
DT 8155 ☐ Form Joggle as per Dwg D3564 on brake using Jig DT 8157

SB 11/02/20

13

140



QC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Memo

0.00

Ensure joggle as per dwg D3429

Swd/22

X13

150



Large Fab

Large Fab

0.00

Memo

0.00

Qty Description Batch ☐ A/R 2059B Hardcoat
M117028 ☐ Weld hardcoat as per Dwg D3564

EL 11-3-3 X13

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Page 3

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Revision ID:				Stop	
Item Name: Wearshoe					
Start Date: 1/20/2011	Start Qty: 6.00		Cust Item ID:		
Required Date: 2/3/2011	Req'd Qty: 6.00		Customer:		
Reference:					

Approvals:	Process Plan: _____	Date: _____	Tooling: _____	Date: _____	Run	Start	
	QC: _____	Date: _____	SPC (Y/N): _____	Date: _____		Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160  QC Quality Control	QC10- Inspect visual per QSI004- ground welds Memo	0.00 0.00		8/11/03/04					
170  QC Quality Control	QC5- Inspect part completeness to step on W/O Memo	0.00 0.00		8/11/03/04		(+13)			
180  Powdercoat Powder Coating	Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3 M 115128. Memo START TIME: 3:40 FINISH TIME: 7:10	0.00 0.00							13 BR 11-3-10.

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Page 4

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Item Name: Wearshoe

Start Date: 1/20/2011 Start Qty: 6.00

Cust Item ID:

Required Date: 2/3/2011 Req'd Qty: 6.00

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

190

QC3- Inspect Part Finish

0.00



QC

Memo

0.00

Quality Control

13 4 JEL 11/03/11

200

Identify as per dwg & Stock Location: *FP-19*

0.00



Packaging

Memo

0.00

Packaging

13 BR 11-3-11

210

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/03/14 J

MF
11-03-11

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NOTE: Date & initial all entries

Picklist Print

Wednesday, January 19, 2011 11:50:52 AM

Page 1

Work Order ID: 65524



Parent Item: D3564-9



Parent Item Name: Wearshoe



Start Date: 1/20/2011

Required Date: 2/3/2011

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP Rev:A New Issue 07-03-08 ec
IPP Rev:B As per Rev C 07-07-09 JLM
IPP Rev:C As per Rev D 07-09-09 JLM Verified By:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304S16GA 		Purchased			No			100	sf	256.2100	1.41	8.905263	18.5
304/316 Sheet .063												18-11-2-22	

Location

Loc Qty

Loc Code

MAT

256

111323

0

116623

256

MAT20

0.21

115953

0.21

116623

(13)

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NOTE: Date & initial all entries

DART AEROSPACE LTD		Work Order:	65524
Description: Wearshoe		Part Number:	D3564-9
Inspection Dwg: D3564	Rev: D	Page 1 of 1	

FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
3.227	+/-0.010	3.225	✓		V HB02	
2.432	+/-0.010	2.439	✓		V	
2.50	+/-0.030	2.50	✓		V	
6.000	+/-0.010	6.000	✓		T HB01	
12.104	+/-0.010	12.104	✓		T	
18.000	+/-0.010	18.000	✓		T	
18.000	+/-0.010	18.000	✓		T	
18.00	+/-0.030	18.00	✓		T	
9.00	+/-0.030	9.00	✓		T	
11.50	+/-0.030	11.50	✓		T	
0.300 x 0.300	+/-0.010	0.299 x 0.301	✓		V	
Ø0.188	+0.005/-0.001	0.189	✓		V	
R0.375	+/-0.010	0.375	✓		R.G.	
0.063	+/-0.010	0.060	✓		V	

Measured by: RB	Audited by: S	Prototype Approval:	N/A
Date: 11-2-22	Date: 11/02/22	Date:	N/A

Rev	Date	Change	Revised by	Approved
A	08.01.16	New Issue	KJ/EC/DD	DD

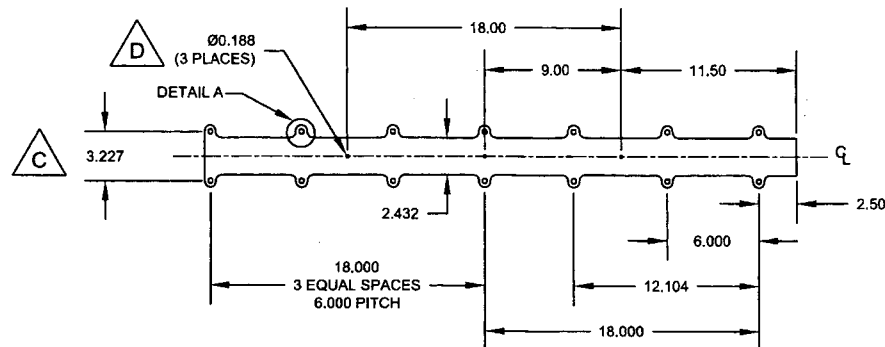
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

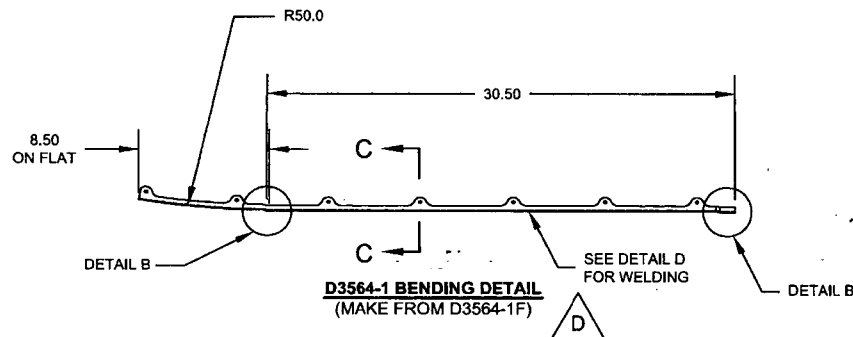
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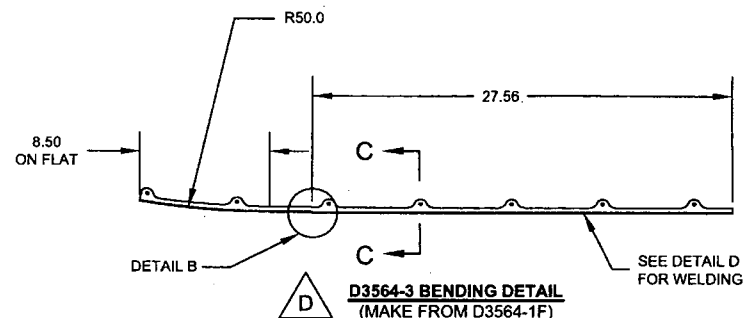
NOTE: Date & initial all entries



D3564-1F FLAT PATTERN



**D3564-1 BENDING DETAIL
(MAKE FROM D3564-1F)**



**D3564-3 BENDING DETAIL
(MAKE FROM D3564-1F)**

D3564-1/-3/-5/-7/-9/-11/-13/-15 WEARPLATE NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET PER AMS 5513 OR AMS 5524, 16 GAUGE (0.063 THICK)
(REF DART MATERIAL SPEC M304S16GA)
- 2) FINISH: POWDER COAT GREY SANDEX (REF 4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.015 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: SEE TABLE IN ZONE A3
- 8) WELD PER DART QSI 004
- 9) SEE PG 3 FOR SECTIONS AND DETAILS
- 10) PARTS ARE SYMMETRIC ABOUT C

WEIGHTS:

D3564-1	1.85 lbs
D3564-3	1.85 lbs
D3564-5	1.93 lbs
D3564-7	1.26 lbs
D3564-9	1.85 lbs
D3564-11	1.85 lbs
D3564-13	0.38 lbs
D3564-15	0.80 lbs

D	UPDATE DRAWING TEMPLATE; CHANGE ALL (TYP X PLS) TO (X PLACES); PG1 A8, PG3 B5,C5: ADD D3564-15; PG1 B6,B3: D3564-1/-3 WAS ONE FIGURE; PG2 A7,A3: D3564-9/-11 WAS ON PG1; PG3 B8,C8: D3564-13 WAS ON PG2; PG3 D2: WELDING DETAIL WAS ON PG1 PG3 A5,7,B2: RELOCATE DETAILS AND SECTION; PG3 A5,7,B2: INCREASE DETAIL AND SECTION SIZE	CB	07.08.21
C	MOVE TAB OUTBOARD, DETAIL A	PH	07.04.17
B	ADD AMS 5513 AND AMS 5524	PH	07.03.20
A	NEW ISSUE	PH	06.12.18
REV.	DESCRIPTION	BY	DATE
DESIGN	PH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	CB		
CHECKED	PH	DRAWING NO.	REV. D
MFG. APPR.	PH	D3564	SHEET 1 OF 3
APPROVED	PH	TITLE	SCALE
DE APPR.	PH	WEARSHOE	1:8
DATE	07.08.21	COPYRIGHT © 2006 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

RELEASED
07.09.04

#65524

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NOTE: Date & initial all entries

8

7

6

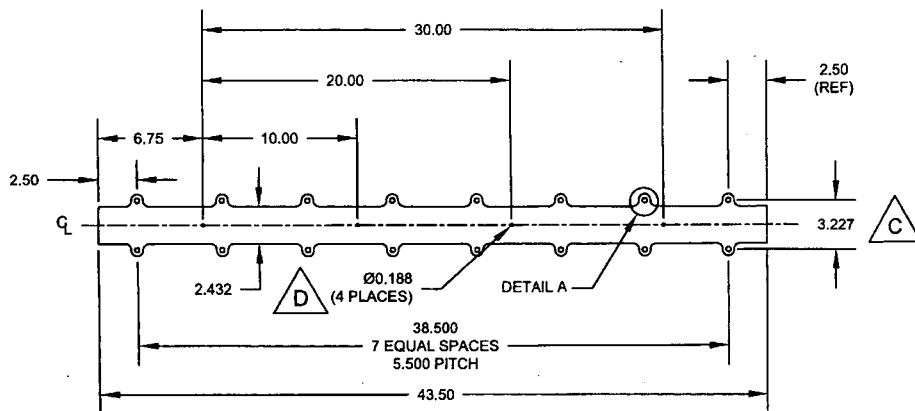
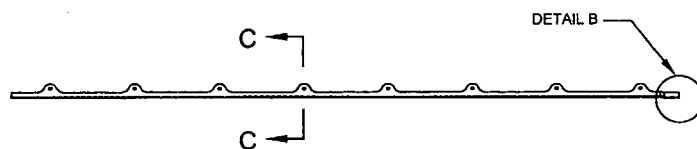
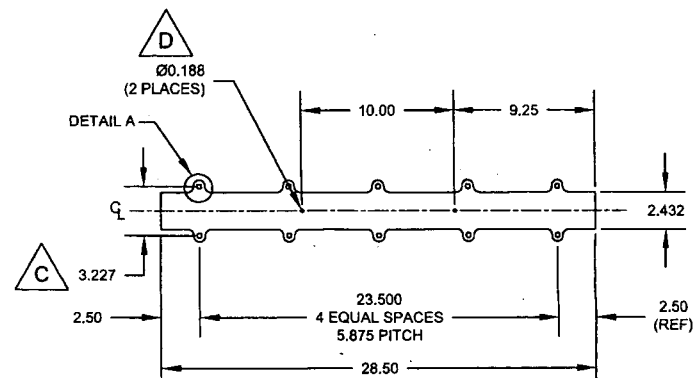
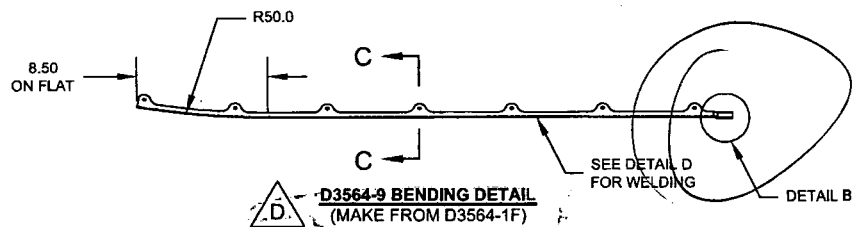
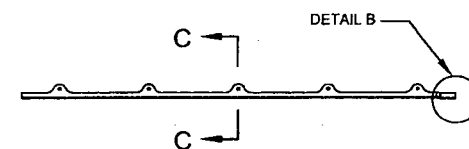
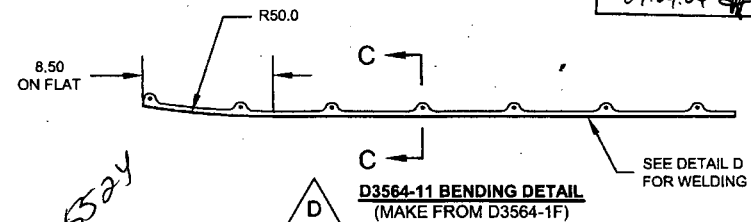
5

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2

1

**D3564-5F FLAT PATTERN****D3564-5 BENDING DETAIL**
(MAKE D3564-5 FROM D3564-5F)**D3564-7F FLAT PATTERN****D3564-7 BENDING DETAIL**
(MAKE D3564-7 FROM D3564-7F)

RELEASED

07.09.04

#65524

DESIGN	PH	DART AEROSPACE LTD	
DRAWN	CB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	PH	DRAWING NO.	REV. D
MFG. APPR.	PH	D3564	SHEET 2 OF 3
APPROVED	PH	TITLE	SCALE
DE APPR.	PH	WEARSHOE	1:8
DATE	07.08.21	COPYRIGHT © 2006 BY DART AEROSPACE LTD	
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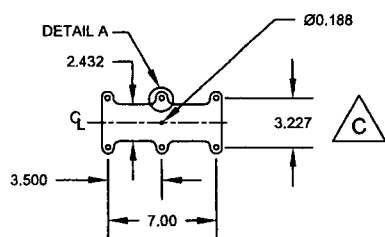
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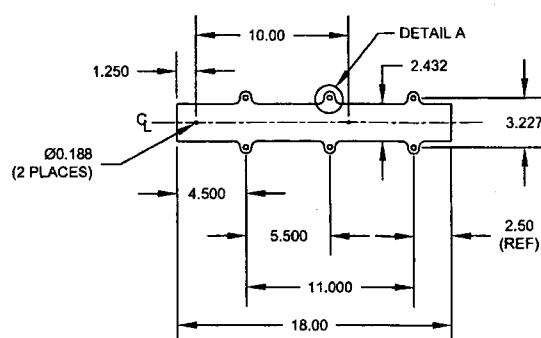
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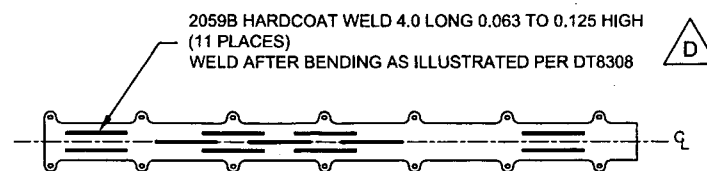
NOTE: Date & initial all entries



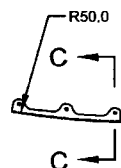
D3564-13F FLAT PATTERN



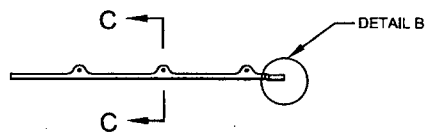
D3564-15F FLAT PATTERN



DETAIL D
(D3564-1/-3/-9/-11 WELDING DETAIL)



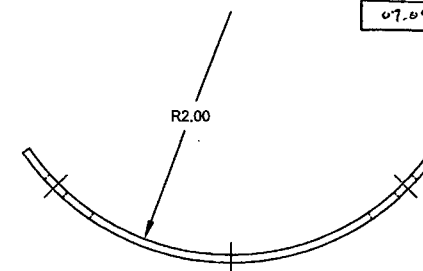
D3564-13 BENDING DETAIL
(MAKE D3564-13 FROM D3564-13F)



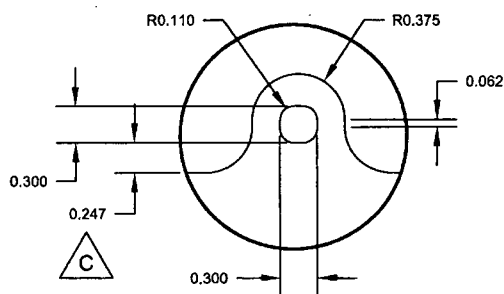
D3564-15 BENDING DETAIL
(MAKE D3564-15 FROM D3564-15F)

RELEASED

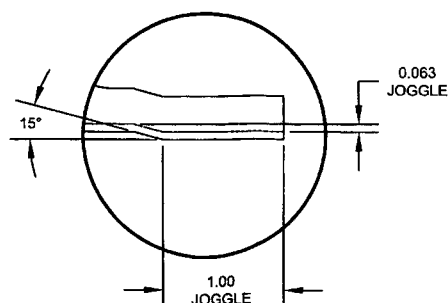
07.09.04



SECTION C-C
SCALE 1:1



DETAIL A
SCALE 1:1



DETAIL B
SCALE 1:1

DESIGN	PH	DART AEROSPACE LTD	
DRAWN	CB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	PH	DRAWING NO. D3564	REV. D
MFG. APPR.	PH	SHEET 3 OF 3	
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